

p212925pct ST25  
SEQUENCE LISTING

<110> Wageningen Centre for Food Sciences

<120> Novel mannose-specific adhesins and their use

<130> P212925PCT/US

<150> EP04075945  
<151> 2004-03-23

<150> PCT/NL2005/000216  
<151> 2005-03-22

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<170> PatentIn version 3.3

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<223> Lactobacillus plantarum

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35 40 45

Glu Val Thr Asn Asp Ser Ala Ser Gln His Val Thr Ser Ile Ser Thr  
50 55 60

Asp Ala Ser Lys Asn Gln His Thr Ser Ser Asn Val Ile Leu Thr Asn  
65 70 75 80

Asp Asp Lys Ser Val Ser Ala Ser Ile Asn Gln Asp Ala Ser Ala Ser  
85 90 95

Val Val Asn Lys Ala Val Ser Ala Thr Ser Gln Glu Asn Ser Ser Val  
100 105 110

Gln Asn Thr Ser Gln Ala Thr Ser Thr Ser Lys Gln Glu Ser Ser Ser  
115 120 125

Thr Lys Asn Thr Ser Gln Thr Thr Ser Thr Ser Asn Gln Glu Ala Asn  
130 135 140

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Ser Ser Thr Lys Asn Thr Ser Gln Thr Thr Ser Thr Ser Asn Gln Glu  
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Glu Ser Ser Ser Ala Lys Asn Thr Ser Gln Thr Thr Ser Thr Ser Ser  
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Arg Lys Ile Asn Ser Thr Lys Ser Gln Ala Gln Ser Leu Thr Ile Thr  
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Thr Ser Lys Ala Leu Ile Ser Asp Glu Ala Ala Leu Thr His Val Asp  
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Asp Ala Lys Thr Gly Ile Val Thr Ile Thr Pro Asn Gln Asn Asn Gln  
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Val Gly Asn Phe Ser Leu Thr Ser Lys Ile Asp Met Asn Lys Ser Phe  
305 310 315 320

Thr Leu Thr Gly Gln Val Asn Leu Gly Ser Asn Pro Asn Gly Ala Asp  
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Gly Ile Gly Phe Ala Phe His Ser Gly Asn Thr Thr Asp Val Gly Asn  
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Lys Leu Asp Thr Trp Phe Asn Ser Tyr Gln Ala Pro Ser Ser Asp Lys  
370 375 380

Asn Gly Ser Glu Ile Ser Ser Thr Asn Ser Asn Gly Phe Gly Trp Asn  
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Gln Asp Thr Gly Glu Ser Gln Ala Leu Ser Lys Ala Asp Ile Asp Gly  
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Asn Pro Ile His Ile Leu Thr Val Thr Asn Pro Val Asp Gly Thr Thr  
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645

655

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Phe Asp Ala Val Thr Asn Pro Gln Ile Lys Gly Tyr Thr Val Thr Ser  
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850 855 860

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Ala Val Asp Ser Pro Ala Ile Lys Gly Tyr Thr Pro Asp Gln Ser Lys  
885 890 895

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Thr Val Lys Gln Asn Thr Lys Lys Lys Ser Asp Phe Asn Phe Ser Lys  
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Val Lys Ser Leu Asp Phe Gln Thr Val Ala Lys Ala Arg Met Asn Lys  
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Asn Ala Ile Asn Val Ile Gly Ser Ile Ala Ile Pro Ser Val Asp Leu  
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Tyr Leu Pro Ile Gly Asn Gly Val Ser Asn Glu Thr Leu Ala Leu Ala  
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Ala Gly Thr Met Lys Ala Asn Gln Lys Met Gly Gln Gly Asn Tyr Ala  
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Leu Ala Gly His His Met Ile Lys His Gly Ala Leu Phe Ser Pro Leu  
130 135 140

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Tyr Tyr Lys Ser Lys Val Gly Gln Met Ile Tyr Val Ser Asp Ala Lys  
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Lys Ile Tyr Ala Tyr Lys Thr Ser Gln Arg Thr Phe Ile Lys Ala Thr  
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Ile Thr Cys Asp Lys Thr Gly Ala Gly Arg Leu Met Ile Arg Gly Lys  
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